

Hingtgen, Robert J

From: Donna Tisdale <tisdale.donna@gmail.com>
Sent: Monday, January 05, 2015 6:34 PM
To: Hingtgen, Robert J
Subject: Dr Milham's FEIR comments
Attachments: Milham Soitec FEIR comments 1-2-15.pdf

Hello Robert,

Please include Dr. Sam Milham's attached January 2nd comments in the Soitec Solar Administrative Record.

Dr Milham's response to Dr. Asher Sheppard's memo (FEIR Appendix 9), included in Soitec's FEIR, states that because Dr. Sheppard has completely ignored the electrical pollution/ dirty electricity problem, his first, second, and third conclusions claiming the project's EMFs pose no potential health risk and would not be significant beyond the project's borders are wrong/not true.

Thank you,

Donna Tisdale
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Donna Tisdale <tisdale.donna@gmail.com>

Soitec Solar Development. LLC solar farms, Tierra Del Sol and Rugged

1 message

Sam Milham <smilham2@comcast.net>

Fri, Jan 2, 2015 at 9:23 PM

To: Ashley.gungle@sdccounty.ca.gov

Cc: Donna Tisdale <tisdale.donna@gmail.com>

Dear Ms. Gungle

I have reviewed Asher Shepard's memorandum about the health effects of the proposed Soitec Solar Development. LLC solar farms, Tierra Del Sol and Rugged, and find it to woefully inadequate and its conclusion incorrect.

My name is Samuel Milham. I'm a physician/epidemiologist with 40 years of experience studying the health effects of electricity. I have over 100 scientific publications and have published a book called *Dirty Electricity*. My CV and recent papers are available on my website: <http://www.sammilham.com>.

I have studied a number of solar and wind farms in southern California for the last five years. The four new concentrating solar facilities Soitec is planning, are clones of their Newberry Springs plant, which I studied in January and March 2014.

The main problem is that these plants generate direct current which has to be changed to alternating current to tie to the grid. This is done with inverters which interrupt current flow and generate high frequency voltage transients (electrical pollution or dirty electricity) which gets back into the grid and the earth. Dirty electricity creates serious problems with electrical equipment and health.

Dr. Shepard has completely ignored the electrical pollution/dirty

electricity problem. My work shows that dirty electricity is a potent universal carcinogen and is responsible for significant human morbidity and mortality.

Since he ignored the dirty electricity component of the project, his first and third conclusions that the project EMFs pose no potential health risk are wrong.

His second conclusion that EMFs from The CPV trackers would not be significant outside the project's borders, is also not true. At a new solar generating plant in Borrego Springs, I found the characteristic solar dirty electricity signal (20 KHz) in the air at the plant and in the ground wire from a pole-mounted transformer miles away. Dairy cattle have reduced milk production during the day because of dirty electricity in the ground from a solar farm miles away.

I'm forwarding a report I sent to Robert Hingtgen about the Newberry Springs CPV facility.

Respectfully, Sam Milham MD